Index of Claims

10/554,014

Examiner

Robert Rose

Applicant(s)/Patent under
Reexamination
FRECH ET AL.
Art Unit

| √  | Rejected |
|----|----------|
| 11 | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  | A | Appeal   |
|---|--------------|---|----------|
| ı | Interference | o | Objected |

3723

| Claim Date                                       |          |          | 1              | Cla      |          | Date      |                 |          |          |          |              | CI       | aim          | Date                                             |                      |          |               |                |                    |     |       |              |          |          |          |                                                  |                 |                     |          |          |
|--------------------------------------------------|----------|----------|----------------|----------|----------|-----------|-----------------|----------|----------|----------|--------------|----------|--------------|--------------------------------------------------|----------------------|----------|---------------|----------------|--------------------|-----|-------|--------------|----------|----------|----------|--------------------------------------------------|-----------------|---------------------|----------|----------|
|                                                  | -        |          |                |          | Ĭ        |           |                 |          |          |          | i.           |          | <del>-</del> |                                                  |                      |          |               |                |                    |     |       | <del>-</del> |          |          |          |                                                  | Ш               |                     |          |          |
| Final                                            | Original | 8/6/06   |                |          |          |           |                 |          |          | - 1      | ij.          | Final    | Original     |                                                  |                      |          |               |                |                    | 4   | Final | Original     |          |          |          |                                                  | Ш               |                     |          |          |
| 這                                                | ട്ര്     | 8        |                |          |          | 1         |                 |          |          | - 1      | :- ·         | 這        | Ĕ            |                                                  | ll                   |          |               |                | -                  | ì   | 证     | ,ić          | - 1      |          |          |                                                  | Ш               |                     |          |          |
|                                                  |          | L        |                |          |          |           |                 | $\perp$  |          | _        | Ş.,          |          |              |                                                  | Ш                    |          |               |                | £                  | 4   |       |              | _        |          |          |                                                  | Щ               |                     | _        | _        |
|                                                  | 1        | ٧        |                |          |          |           |                 | _        | _        |          | 1 1          |          | 51           |                                                  | Ш                    |          | $\perp$       | $\perp$        | 1.                 |     |       | 101          | _        |          |          |                                                  | Ш               |                     | $\dashv$ | _        |
|                                                  | 2        | ٧        | Ш              |          |          |           |                 |          |          | _        | 5 (4)<br>8   |          | 52           |                                                  | Ш                    |          | $\bot$        | $\perp$        |                    |     |       | 102          |          | _ _      |          |                                                  | Ш               |                     | _        | _        |
|                                                  | 3        | ٧        |                |          | _        |           | $\perp$         | _        |          |          |              |          | 53           | Щ.                                               |                      | $\perp$  | $\perp$       | $\perp$        |                    |     |       | 103          | $\perp$  |          | _        |                                                  | Ш               |                     |          |          |
|                                                  | 4        | V        |                |          | l        |           |                 | _        | _        | $\Box$   |              |          | 54           |                                                  |                      |          |               |                |                    | ું. |       | 104          | _        | _        | _        |                                                  | Ш               |                     | _        | _        |
|                                                  | 5        | ٧        | $\sqcup$       |          | _        |           |                 | _        | _        | ᆜ        | į.           |          | 55           | L                                                | $\sqcup$             | _ _      | 11            | $\dashv$       | :                  | ै   |       | 105          | _        | $\perp$  | <u> </u> | _                                                |                 | _                   | _        | _        |
|                                                  | 6        | V        | $\sqcup$       |          | _        |           |                 | _        | _        |          | 5 3          |          | 56           |                                                  | $\sqcup$             |          | $\bot\bot$    | -              | _                  | Ħ.  |       | 106          | _        | -        | 1        | <u> </u>                                         |                 | $\perp$             | _        | _        |
|                                                  | 7        | ٧        | $\sqcup$       | _        | _        |           |                 | _        | _        |          |              |          | 57           |                                                  |                      | _        | $\perp \perp$ |                | _#                 | ij. |       | 107          | -        | +        | +        | <u> </u>                                         |                 |                     | 4        | _        |
|                                                  | 8        | ٧        | Ш              | _        | _        |           | 4               | _        | _        |          |              |          | 58           |                                                  | $\sqcup$             | -        | ┨             | $\dashv$       |                    | -   |       | 108          | 4        | +        | +-       | ļ                                                | Н               | Н                   | -        |          |
|                                                  | 9        | V        | $\sqcup$       | _        | _        |           |                 | _        |          | _        | L.           |          | 59           |                                                  | Ш                    |          | ++            | $\dashv$       | 8                  | -   |       | 109          | _        | $\dashv$ | ┼        | ├                                                | Н               | $\vdash$            | $\dashv$ | ~        |
|                                                  | 10       | ٧        | $\sqcup$       | _        |          | $\Box$    | $\dashv$        | _        | _        | _        | C.<br>set    |          | 60           | $\vdash \vdash$                                  | Н                    |          | ++            | +              | _                  |     |       | 110          | -        | +        | ╁        | $\vdash$                                         | Н               | $\vdash \vdash$     | $\dashv$ | ᅴ        |
| <u> </u>                                         | 11       | <u> </u> | $\sqcup$       | _        |          |           | $\dashv$        | _        | _        | _        | Ŋ            |          | 61           | <del></del>                                      | ${oldsymbol{arphi}}$ | +        | +             | $\dashv$       |                    | 4   |       | 111          |          | +        | +        | $\vdash$                                         | Ш               | $\vdash$            | $\dashv$ | $\dashv$ |
| ļ                                                | 12       | _        | $\sqcup$       | _        |          | $\square$ | $\dashv$        | _        | _        | _        |              |          | 62           |                                                  | Н                    | +        | +             | $\dashv$       |                    |     |       | 112          |          |          | +        | $\vdash$                                         | $\vdash$        | $\vdash \vdash$     | $\dashv$ | $\dashv$ |
| <u> </u>                                         | 13       | <u> </u> | $\vdash$       | 4        | _        |           | $\sqcup$        | _        | _        | _        | W            |          | 63           | $\vdash \vdash$                                  | Н                    |          | ++            |                | 4                  | 1   |       | 113          | $\dashv$ | +        | +        | ├-                                               | Н               | $\sqcup$            |          |          |
| <u> </u>                                         | 14       | <u> </u> | $\sqcup$       |          |          | $\sqcup$  | $\dashv$        | _        | _        | _        |              |          | 64           |                                                  | Н                    | $\perp$  | ++            | +              | f.                 |     |       | 114          | $\dashv$ | +        | +-       | ├                                                | $\vdash$        | $\vdash \vdash$     | $\dashv$ | $\dashv$ |
| Ь—                                               | 15       | <u> </u> | $\sqcup$       |          |          | $\square$ | $\dashv$        | _        |          | _        | in a         |          | 65           |                                                  | $\vdash \vdash$      | $\perp$  | +             |                |                    | -   |       | 115          |          | +        | +        | -                                                | $\vdash \vdash$ | $\vdash \vdash$     | $\dashv$ | 4        |
|                                                  | 16       | _        | $\vdash$       | -        | _        | -         | -               |          | $\dashv$ | $\dashv$ |              |          | 66           | oxdot                                            | $\vdash$             | -        | ++            |                | ;                  | 1   |       | 116          | $\dashv$ |          | ┿        | ⊢                                                | Ш               | $\dashv$            |          | $\dashv$ |
|                                                  | 17       | <u> </u> | $\vdash$       | _        | _        |           |                 | _        | _        | _        | Q.F          |          | 67           | $\vdash$                                         | $\sqcup$             | _        | ++            |                | <u>—</u> [         | .   |       | 117          | $\dashv$ | -        | ┼        | $\vdash$                                         | Н               | $\dashv$            |          |          |
|                                                  | 18       | _        | 1-             | _        | _        |           | -               |          | _        |          |              |          | 68           | $\vdash$                                         |                      | -        | +             | $\perp$        |                    | · - |       | 118          | $\dashv$ |          | +        | <u> </u>                                         |                 | $\dashv$            | $\dashv$ | $\dashv$ |
|                                                  | 19       | L        | $\sqcup$       | _        | $\dashv$ |           |                 | $\dashv$ | _        |          |              |          | 69           | lacksquare                                       | $\vdash$             | -        | +             | $\perp$        |                    | , i |       | 119          | -+       |          | +        | $\vdash$                                         | $\vdash$        | $\vdash$            |          | $\dashv$ |
|                                                  | 20       | _        | $\sqcup$       | _        |          |           |                 | _        |          |          | 12           |          | 70           | <u> </u>                                         |                      | +        | +             | $\dashv$       |                    |     |       | 120          | -        | _        | +        | $\vdash$                                         | _               | $\vdash$            | $\dashv$ | $\dashv$ |
|                                                  | 21       | <u> </u> |                | _        | _        |           | _               |          | 4        | _        |              |          | 71           | lacksquare                                       | $\vdash \vdash$      | -        | ++            | $\dashv$       | Щ.                 |     |       | 121          | -        |          |          | ├-                                               |                 | Н                   | $\dashv$ | $\dashv$ |
|                                                  | 22       | <u> </u> | $\sqcup$       | _        | _        |           |                 | -        | 4        | _        | e - 1        |          | 72           |                                                  | $\sqcup$             |          | +             | $\perp$        | <u> </u>           |     |       | 122          | $\dashv$ | +        | <b></b>  | -                                                | Н               | $\vdash$            | $\dashv$ | $\dashv$ |
|                                                  | 23       | <u> </u> | $\sqcup$       |          |          |           |                 | _        | 4        | _        | 1.0          |          | 73           | <u>  </u>                                        | $\vdash$             | -        | +             | -              | —                  |     |       | 123          | $\dashv$ | -        | +        | ⊢                                                | -               | Н                   |          | $\dashv$ |
|                                                  | 24       | <u> </u> | $\vdash$       |          |          |           | $\dashv$        | 4        |          | _        |              |          | 74           |                                                  | $\vdash$             |          | +             | $\perp$        |                    |     |       | 124          | -        |          | +        | -                                                | $\vdash$        | $\dashv$            | $\dashv$ | $\dashv$ |
|                                                  | 25       | ⊢        | $\vdash$       | $\dashv$ | $\dashv$ |           | $\dashv$        | $\dashv$ | -        | -        |              |          | 75           | ļ <del> </del>                                   | <b>⊢.</b> ∔          |          | ++            |                | <b>—</b> ,         | -   |       | 125          |          | -        | +        | ⊢                                                | Н               | $\dashv$            |          |          |
|                                                  | 26       | ⊢        | $\vdash$       |          |          |           | $\dashv$        | -        |          | _        |              |          | 76           | $\vdash$                                         | $\vdash$             |          | ++            |                | Н.                 | -   |       | 126          | $\dashv$ | +        | ╁        | ├                                                | $\vdash$        | $\dashv$            | $\dashv$ | $\dashv$ |
| <u> </u>                                         | 27       | <u> </u> | $\vdash$       | $\dashv$ | 4        | -         | $\dashv$        | -        |          |          | 1.           |          | 77           |                                                  | $\vdash$             |          | ++            | +              |                    | 1   |       | 127          | -        |          |          | -                                                | -               | $\dashv$            | $\dashv$ | $\dashv$ |
|                                                  | 28       | <u> </u> | $\vdash$       |          | _        | -         |                 | $\dashv$ | $\dashv$ | $\dashv$ | M            |          | 78           |                                                  | $\vdash \vdash$      |          | +             | $\dashv$       | -                  |     |       | 128<br>129   | -        | +        | +        | ├-                                               | Н               | -                   | $\dashv$ | $\dashv$ |
|                                                  | 29       |          | $\vdash$       | $\dashv$ | $\dashv$ | -         | $\dashv$        | $\dashv$ | -        |          |              |          | 79           | <u> </u>                                         | ┥                    |          | +             | $\dashv$       | <b>—</b> а         |     |       | 129          | -+       | +        | +        | ⊢                                                | Н               | Н                   | $\dashv$ | $\dashv$ |
|                                                  | 30       | ┞-       | $\vdash$       | $\dashv$ |          | _         | $\dashv$        | $\dashv$ | $\dashv$ | 4        | 4            |          | 80           | $\vdash\vdash$                                   | H                    |          | ++            |                | Щ,                 |     |       | 130          |          |          | +        | ⊢                                                | -               | $\vdash$            | $\dashv$ | $\dashv$ |
|                                                  | 31       | ⊢        | $\vdash$       | $\dashv$ | $\dashv$ | -         |                 | $\dashv$ | $\dashv$ | 4        |              |          | 81           |                                                  |                      | -        | ++            | $\dashv$       | <b>—</b>           | 7   |       | 131          | $\dashv$ | +        | ┿        | -                                                | Н               | ${oldsymbol{dash}}$ | $\dashv$ | $\dashv$ |
| <u> </u>                                         | 32       | ⊢        | $\vdash$       |          | -        | —         | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ | 1            |          | 82           | <del>  </del>                                    | ⊢⊢                   |          | ++            | $\dashv$       | -                  |     |       | 132<br>133   | $\dashv$ | +        | +-       | ├                                                | Н               | $\vdash \vdash$     |          | $\dashv$ |
| <u> </u>                                         | 33       | ⊢        | $\vdash$       | $\dashv$ | $\dashv$ | _         | $\vdash \vdash$ |          | $\dashv$ | $\dashv$ |              |          | 83<br>84     | $\vdash \vdash$                                  | $\vdash \vdash$      |          | ++            | $\dashv\dashv$ | H                  |     |       | 133          | $\dashv$ | -        | +        | ┼                                                | Н               | $\vdash$            | $\dashv$ | $\dashv$ |
| ├─                                               | 34<br>35 | -        | $\vdash$       |          |          |           | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ | Bell<br>Bell |          | 85           | <del>                                     </del> | ┥                    | +        | ╁┼            | $\dashv$       | Н.                 | -   |       | 135          |          | +        | +-       | $\vdash$                                         | $\vdash$        | $\vdash$            | $\dashv$ | $\dashv$ |
| <u> </u>                                         | 36       | ⊢        | $\vdash$       |          |          |           | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ | ŀ,           |          | 86           |                                                  | $\vdash$             | +        | ╁┼            | $\dashv\dashv$ | $\dashv$           | -   |       | 136          | $\dashv$ | +        | +-       | $\vdash$                                         | $\vdash$        | $\vdash$            | $\dashv$ | $\dashv$ |
|                                                  | 37       | $\vdash$ | $\vdash$       |          |          |           | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ | [ ]          | L        | 87           | $\vdash$                                         | ⊢⊢                   | +        | ┿┼            | +              | <u> </u>           | - 1 |       | 137          | $\dashv$ | +        | +        | $\vdash$                                         | $\vdash$        | $\vdash$            | ┥        | $\dashv$ |
|                                                  | 38       | ⊢        | $\vdash$       | $\dashv$ |          |           | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ | al           |          | 88           | $\vdash$                                         | $\vdash$             | +        | ╁╼┼           | $\dashv\dashv$ | Н.                 |     |       | 138          | $\dashv$ | $\dashv$ | ╁        | $\vdash$                                         | Н               | $\vdash \vdash$     | $\dashv$ | $\dashv$ |
| <u> </u>                                         | 39       | $\vdash$ | $\vdash$       | -        | $\dashv$ | -         |                 | $\dashv$ | $\dashv$ | $\dashv$ |              |          | 89           | $\vdash$                                         | $\vdash \vdash$      | $\dashv$ | ╂╌╂           |                |                    | - } |       | 139          | $\dashv$ | +        | +        | $\vdash$                                         | $\vdash$        | $\vdash$            | -        | $\dashv$ |
| <u> </u>                                         | 40       | ├—       | $\vdash$       | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ | F 1          | -        | 90           |                                                  | $\vdash$             | +        | ++            | +              |                    | - } |       | 140          | $\dashv$ | +        | +        | ├                                                | $\vdash$        | $\vdash \vdash$     | $\dashv$ | $\dashv$ |
| $\vdash$                                         |          | ├-       | $\vdash$       | $\dashv$ | -        | $\vdash$  | $\vdash$        | ᆉ        | $\dashv$ | $\dashv$ |              |          | 91           | $\vdash\vdash$                                   | ⊢                    |          | ╁╼┼           | $\dashv$       |                    | ۱,  |       | 141          | $\dashv$ | +        | +        | +-                                               | $\vdash$        | $\vdash \dashv$     | $\dashv$ | $\dashv$ |
| <del> </del>                                     | 41       | ╁        | $\vdash$       |          | $\dashv$ |           | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ |              | L        | 92           | <del></del>                                      | ╁┼                   | +-       | ┿┼            | $\dashv$       |                    | -   |       | 142          | $\dashv$ |          | +-       | $\vdash$                                         | $\vdash$        | $\vdash \vdash$     | $\dashv$ | $\dashv$ |
| <del>                                     </del> | 43       | $\vdash$ | $\vdash$       | -        | $\dashv$ |           | $\dashv$        |          | $\dashv$ | $\dashv$ |              |          | 93           | $\vdash$                                         | $\vdash$             | +-       | ++            | +              | $\dashv$           |     |       | 143          |          | +        | +        | $\vdash$                                         | $\vdash$        |                     | $\dashv$ | $\dashv$ |
| <del> </del>                                     | 44       | ⊢        | $\vdash$       | -        | $\dashv$ | -         |                 | $\dashv$ | $\dashv$ | $\dashv$ |              | _        | 94           | $\vdash$                                         | ┥┥                   | -        | ++            | $\dashv$       | <del>     </del> - |     |       | 144          | $\dashv$ | +        | +        | +-                                               | H               | Н                   | $\dashv$ | $\dashv$ |
| <del> </del>                                     | 45       | ╁        | $\vdash$       |          |          | $\dashv$  | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ | ŞĴ           |          | 95           |                                                  | <del>  -  </del>     | +        | ++            | $\dashv\dashv$ | <u> </u>           | . } |       | 145          | $\dashv$ | +        | +        | 1                                                | -               | $\vdash \dashv$     | -        | $\dashv$ |
| <u> </u>                                         | 46       | ⊢        | <del>   </del> | -        | $\dashv$ |           | $\dashv$        |          | -+       | $\dashv$ | 5            |          | 96           | $\vdash$                                         | ┥                    | +        | ++            | +-1            | ⊢-:                | - } |       | 146          | $\dashv$ | +        | +        | <del>                                     </del> | $\vdash$        | $\vdash$            |          | $\dashv$ |
| <del> </del>                                     | 47       | ╁        | $\vdash$       |          |          | -         | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ |              | -        | 97           | $\vdash$                                         | ╁                    | +        | ++            |                |                    | - 1 |       | 147          | $\dashv$ | +        | +        | $\vdash$                                         | H               | $\vdash \vdash$     | $\dashv$ | $\dashv$ |
| $\vdash$                                         | 48       | $\vdash$ | $\vdash$       | $\dashv$ | -        | $\vdash$  | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ | 4            | <b> </b> | 98           | $\vdash \vdash$                                  | ╁                    | +        | +             | $\dashv$       |                    | 3.4 |       | 148          | $\dashv$ | +        | +        | $\vdash$                                         | $\vdash$        | H                   | $\dashv$ | $\dashv$ |
| <u> </u>                                         | 49       | $\vdash$ | $\vdash$       | $\dashv$ | $\dashv$ | -         | $\vdash \vdash$ | -        | -+       | $\dashv$ | . 6          | $\vdash$ | 99           | - -                                              | ╁┼                   | $\dashv$ | ++            | $\dashv$       | $\dashv$           |     |       | 149          | $\dashv$ |          | +        | 1                                                | $\vdash$        | $\vdash$            | $\dashv$ | $\dashv$ |
| <u> </u>                                         | 50       | ╁        | $\vdash$       | -        | _        |           | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ | ij           |          | 100          | $\vdash$                                         | ╁┼                   |          | ++            | +              |                    | PE  |       | 150          | $\dashv$ | +        | +        | $\vdash$                                         | $\vdash$        | $\vdash$            | $\dashv$ | $\dashv$ |
|                                                  | 1 20     | L.,      |                | 1        |          |           |                 |          |          |          |              |          | 100          |                                                  | L                    |          | <u> </u>      |                | ::لـــــا          | ા   |       | 130          |          |          |          | <u></u>                                          | ∟               | ıl                  |          |          |